

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-20 (canceled)

Claim 21 (previously presented): A method of handling objects, wherein at least one arm of a handling system for the handling of at least one object is moved in space relative to a reference system, in particular a fixed reference system, characterized in that

the locations of the arm are determined by a locating method with reference to the reference system fixed by the associated locating system.

Claim 22 (previously presented): A method in accordance with claim 21, characterized in that at least one physical field, in particular an acoustic, optical and/or electromagnetic field, can be set up for the location of the arm.

Claim 23 (currently amended): A method in accordance with claim ~~[[21]]~~ 22, ~~characterized in that~~ wherein the at least one physical field includes a unidirectional locating system, ~~in particular in the manner of the so-called~~ comprising a global positioning system, ~~GPS,~~ is used (GPS) for the locating of the arm.

Claim 24 (previously presented): A method in accordance with claim 21, characterized in that a robot arm is used as the arm.

Claim 25 (previously presented): A method in accordance with claim 21, characterized in that a gripping arm of a robot which takes up and/or moves the object is used as the arm.

Claim 26 (previously presented): A method in accordance with claim 21, characterized in that an exchangeable tool or a tool fixedly provided at the arm is handled as the object in the space.

Claim 27 (previously presented): A method in accordance with claim 26, characterized in that the relative orientation of the tool to the arm is determined, in particular independently of the locating system.

Claim 28 (previously presented): A method in accordance with claim 26, characterized in that the tool is supplied with energy in a wireless manner, in particular inductively or by means of an accumulator.

Claim 29 (previously presented): A method in accordance with claim 26, characterized in that control data of the tool are transmitted in a wireless manner, in particular inductively or by radio.

Claim 30 (previously presented): A method in accordance with claim 21, characterized in that the locating system is calibrated by self-calibration.

Claim 31 (previously presented): An apparatus for the handling of objects comprising
at least one arm for the handling of at least one object; and
means for determining the location of the arm relative to a reference system, in particular a fixed reference system, characterized in that
a locating system is provided for the determination of the location of the arm with reference to the reference system fixed by the locating system.

Claim 32 (previously presented): An apparatus in accordance with claim 31, characterized in that the locating system has at least one means for the setting up of a physical field, in particular of an acoustic, optical and/or electromagnetic field.

Claim 33 (previously presented): An apparatus in accordance with claim 31, characterized in that the locating system is made as a unidirectional locating system, in particular in the manner of the so-called global positioning system, GPS.

Claim 34 (previously presented): An apparatus in accordance with claim 31, characterized in that the arm is made as a robot arm.

Claim 35 (previously presented): An apparatus in accordance with claim 34, characterized in that the robot arm has a gripping element with which the object can be taken up and/or moved.

Claim 36 (previously presented): An apparatus in accordance with claim 31, characterized in that the object is an exchangeable tool or a tool fixedly provided at the arm.

Claim 37 (previously presented): An apparatus in accordance with claim 36, characterized in that means, in particular means independent of the locating system for the determination of the relative orientation of the tool to the arm, are provided at or in the arm and/or at or in the tool.

Claim 38 (previously presented): An apparatus in accordance with claim 31, characterized in that means are provided for the wireless energy supply of the tool, in particular means for the inductive energy supply or an accumulator.

Claim 39 (previously presented): An apparatus in accordance with claim 31, characterized in that means are provided for the wireless transmission of control data of the tool, in particular means for inductive transmission or for transmission by radio.

Claim 40 (previously presented): An apparatus in accordance with claim 31, characterized in that means are provided for the self-calibration of the locating system.